CODE ALARM®

Technology that talks to cars and trucks.™

Remote Vehicle Control System

Two Way Remote Start & Security

IMPORTANT NOTE: The operation of the TW-1 as described in this manual is applicable to most vehicles. However, due to the engine type and configuration of some vehicles (i.e. diesel engines), some functions AND/OR SAFETY PRECAUTIONS may not apply. Please see your installing dealer for more information.

101513-0

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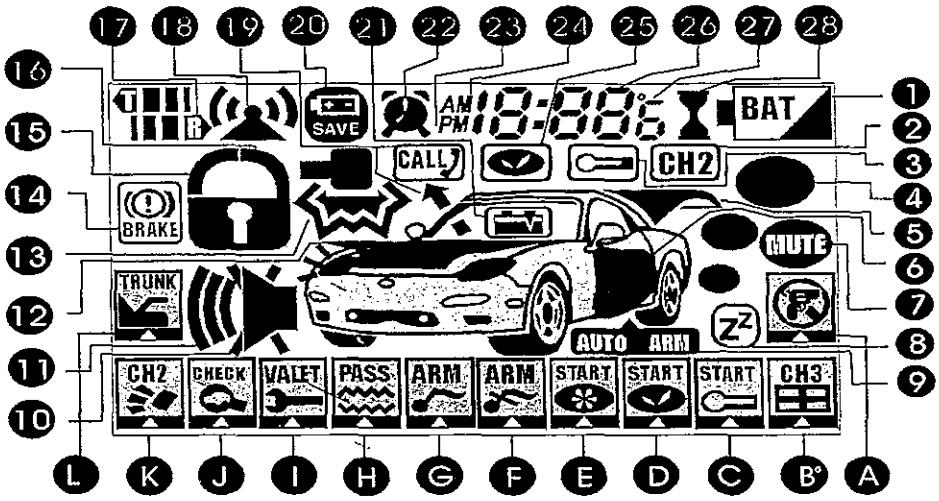
TW-1 ICONS AND FUNCTIONS


17 18 19 20 21 22 23 24 25 26 27 28
16 15 14 13 12 11 10
1 2 3 4 5 6 7 8 9
L K J I H G F E D C B A
SAVE
AM PM
BAT
CALL
CH2
BRAKE
MUTE
TRUNK
AUTO ARM
CH2 CHECK VALET PASS ARM ARM START START START CH3

- **The alphabetical signs indicate the function modes**

A. Remote anti-carjack mode ON/OFF

B. Remote control channel # 3 for electrical appliance ON/OFF

C. Remote activate temp-controlled auto-start mode ON/OFF

D. Remote activate daily auto-start time mode ON/OFF

E. Remote engine start (or) changing of run time when the engine gets running

F. Remote activate Mute arm mode ON/OFF

G. Remote activate Audible arm mode ON/OFF

H. Remote shock sensor bypass mode ON/OFF

I. Remote activate valet mode ON/OFF

J. Remote monitor in-car temperature & status

K. Remote control channel # 2 for electrical appliance ON/OFF

L. Remote trunk release

- to the left of the clock.

SP - Starter problem.

(E) Remote start. / (D) Brake shutdown.

- **The numerical signs indicate the vehicle's security status or other function display**

1. Remote's battery condition
2. Channel # 2 On/OFF
3. Temp-controlled auto-start mode
4. Engine run mode
5. Trunk release
6. Door open
7. Remote unit's vibration mode
8. Valet mode
9. Auto rearm mode
10. Mute alert mode
11. Audible alert mode
12. Hood open mode
13. Impact/shock mode
14. Hand-brake disengage
15. Door lock mode
16. Door unlock mode
17. Monitor standby mode
18. Feedback confirmation (After each command by remote unit, display of this confirms feedback can be picked up by remote unit . Non-display means remote is either out-of- range or feedback is being interfered.
19. Page out-call from car
20. Power save mode of remote(Absolute current sleep mode of the remote, after system is disarmed)
21. Ignition On mode
22. Alarm clock mode
23. P.M time mode
24. A.M. time mode
25. Daily auto-start time mode
26. Hour, minute, temp. display
27. Centigrade, Celsius mode
28. Count-down time mode

TW-1 User's manual 2 Way remote security system

● Precaution before installation

1. Read this manual carefully ahead of operation. You will find this product very versatile.
2. Park the vehicle in open space each time if the remote start is intended .This avoids you from being suffocated by the exhaust gas while the engine gets running.
3. For safety purpose, set your car to valet mode "ON" before sending it to workshop for serviced
4. There are many other functions ,Refer to the installation manual for such extra functions that require external accessories.
5. You are suggested to refer to the "options Program Table" whenever you find【options program table】in the text on the installation manual.

● **Special features:**

1. Choice of function mode by cursor on screen for easiest operation (patented features)

2. 2 Way Super-remote control /monitoring range【Effective range of approx : 800-1200 m】
3. Electronic luminescent backlight
4. Hopping code for anti-grabbing
5. Main system's memory able to learn codes from 4 different remotes
6. Remote control of lock/unlock, arm/disarm, engine start, trunk release and etc.
7. Switch-accessed Arm/disarm for emergency
8. Selectable mode for auto/manual transmission gear with safety circuit
9. Selectable mode for gasoline and diesel engine
10. Programmable for temp-controlled auto-start
11. Programmable for daily auto start time
12. Remote monitoring of car status /in-car temperature on display
13. Display of defective zones bypass when arming
14. Display of remote shock sensor bypass
15. Smart temper report by siren when disarmed
16. Remote control electrical appliances through channel # 1,#2 , #3
17. The main system temporarily by-passes shock sensor at the moment the remote trunk release is activated
18. Remote control & switch-activated anti-carjack modes
19. Remote panic
20. Remote or manual valet mode
21. Other system's functions accessible by software program
22. LED status indicator to assist programming and anti-theft warning

Operation guide of TW-1

This is devised for easy operation just by some **fixed function** by buttons and **movable cursor means**. Users can choose the desired function just by first popping out the cursor and then moving it on to the related function Position.

There are total 3 buttons marked with 【Ⅰ、Ⅱ、Ⅲ】on the remote unit. The 【Ⅰ、Ⅱ】buttons are used in alarm function mode setting and the third 【Ⅲ】 button is used in popping out and moving of the cursor on to the desired function position.

※ Pre-assigned function modes by remote's buttons

Remote's button 【Ⅰ】: Press and hold this for engine-start and shutoff
Remote's button 【Ⅱ】: Press and hold this for trunk release.
Remote's button 【Ⅰ】【Ⅱ】: Press and release both 【Ⅰ】& 【Ⅱ】simultaneously for car find.
Remote's button 【Ⅰ】【Ⅱ】: Press and hold both【Ⅰ】&【Ⅱ】simultaneously for remote panic

※ Programmed function modes by a short press of button 【Ⅰ】

Press and release this to activate self-defined function .It is generally programmed for door lock/unlock. Other functions can also be programmed as below :

Step 1: Press button 【Ⅲ】twice or more times quickly to pop up the cursor. Move the cursor to the desired position by pressing button 【Ⅲ】a number times as necessary . For example, move the cursor on to 『 ARM 』 position, if you want to have "Audible Arm Mode " function activated by a short press of button 【Ⅰ】.

Step 2: When the cursor reaches the desired position, press and hold 【Ⅲ】again for 6 sec till the remote unit sounds the first 2 and final 3 beeps . From then on, press and release button 【Ⅰ】 to activate the selected function.

＊ To re-define the function of button【Ⅰ】re-do the procedure from procedure step (1) & (2).The previously-defined function mode will be substituted by the last definition.

※ Self-defined functions by a short press of button【Ⅱ】

Press and release button【Ⅱ】to activate self-defined function .It is generally programmed to assign 『ARM』 for Mute Arm Mode. other functions can also be programmed as below :

Step 1 : Press button【Ⅲ】twice or more times quickly to pop up the cursor. Move the cursor to the desired position by pressing button【Ⅲ】a number times as necessary . For example, move the cursor on to 『CHECK』 , if you want to have " Status Check" function activated by a short press of button【Ⅱ】.

The following 2 way remote's function guide is based on the current cursor setting in the above passage

1. Remote arm & door lock

(a) 、Shut off the engine, get out of the car making sure handbrake is depressed, hood closed and all the door closed.

(b) 、Press and release button【Ⅰ】 the system will lock the door and enter arm mode with 1 siren chirp and 1 parking light flash.

- The remote unit sounds melody and displays 『』 『』 icons on its screen.

(c) 、Press and release button【Ⅱ】 the system will lock the door and enter arm mode with 1 siren chirp and 1 parking light flash.

- The remote unit sounds melody and displays 『』『』icons on its screen which means the system is in mute arm mode.

(d) 、**Defective zone report and bypass arming:** When arming, if the system detects defective zones, the system will sound 4 siren chirps or the remote unit sounds 4 beeps twice. The remote unit displays on its screen the defective zone (like the door open).The system then will bypass the defective zone and can enter arm mode. When the defective zone is corrected (just by closing the door later), the system immediately enters full arm mode.

(e) 、**Arm delay time can be programmed** : (like 6 or 30 sec daily arming after door is closed) as needed.【option program table】

2. **Remote disarm & door unlock**

(a) ‧ Press and release the button 【 I 】 or 【 II 】 the system will unlock the door and disarm itself with 2 siren chirps and 2 car light flashes. The dome light will turn on .(Refer to installation manual for dome light features that needs external relay)

- The remote unit sounds 2 beeps and displays 『 』 icon on its screen

(b) ‧ Smart zone trigger report : Should there be any abnormal security status while in arm mode, the siren sounds 4 chirps or the remote sounds 4 beeps when the remote unit's button 【 I 】 is pressed. The trigged zone during arm mode is displayed on the remote unit's screen.

(c) ‧ Parking light flash upon door-open : Each time the car door is opened following disarm, the parking light flashes for 10 sec to caution other vehicles coming behind. 【option program table】

(d) ‧ Auto rearm: This is programmable to have your system rearm itself if the car door is not opened after 30 sec from the time of remote disarm 【 option program table】

3. **Remote door lock/unlock**

(a)Press and release button 【 I 】 while driving, the system will unlock/lock with parking light flash.

- The remote unit displays 『 』 for the door unlock or displays 『 』 for door lock.

＊ You can also program to have door lock/unlock upon ignition ON/OFF. 【option program table 】

Single Option (Choose only one of these)	**Remote control channel # 3** 【option program table 】 (a) 、If the system is programmed for channel #3 mode (an external relay is required) (b) 、Press quickly 【Ⅲ】 twice or more times to pop up cursor and then move it onto 【CH3】). (c) 、 Then press and release【Ⅱ】.The system responses in accordance with selected function mode .The parking light flashes 3 times for confirmation. ● The remote unit displays Car Status on its screen and sounds 3 beeps
	2 stage door unlock , disarm 【option program table 】 (a) 、If the system is programmed channel # 3 for 2 stage door unlock mode. (an external accessory is required) (b) 、 Press quickly 【Ⅲ】 twice or more times to pop up the cursor and then move it onto 【CH3】) (c) 、Then press and release 【Ⅱ】 to unlock all the doors. The system will unlock and disarm with 2 siren chirps and 2 parking light flashes. ● The remote unit displays 『 』 on its screen and sound 2 beeps. ※ Choose one of the above two options and program it as required.

4. Remote engine start

(a) 、The engine is in shut off state.

(b) 、Press and hold 【Ⅰ】 button . Or press Ⅱ button when the active cursor is shifted onto the 【START】 the column. Siren chirps 3 times with 3 parking light flashes when the engine gets started.

- The remote unit displays 2 stages on its screen as below :

  (1) 、In the 1st stage: The remote unit displays the current status along with 『 』 while engine is trying for engine start and sounds .

  (2) 、In the 2nd stage: After the engine gets started , the remote unit displays 『 』 along with engine's preset run time and sounds .

(c) ‧ The remote start run time can be programmed as required [option program table]. When the preset run time expires, the engine will automatically shut off.[The remote unit displays 『r 01』 when the last one min begins its countdown]. The 『r 00』 displays on the remote unit at the moment of engine shut-off and then disappears.

(d) ‧ Remote engine start cannot be done under such abnormal conditions. (1).The gear is not in its neutral position, (2) Ignition key is turned ON , (3) Hood is opened ,(4) Hand break is depressed .Only under normal condition, the system can be remote-started for the pre-set runtime. A maximum of 4 start efforts will be made in case of failure of engine-start in the preceding trials. If engine gets started in any stage of trials , no second attempt will be made.

- When the system fails engine start after the 4th unsuccessful start effort, the remote unit sounds 4 beeps and its LCD displays 『SP』 .

5. Remote change of engine run time

(a) ‧ After the engine gets started by the remote unit

(b) ‧ Press Ⅲ button quickly twice or more the to pop up the cursor and move the cursor on to the 【START】 column.

(c) ‧ Press and release 【Ⅱ】 button. Each time press on this button can add up 5 min run time and additional pressing can get up to the maximum run time of 20 min. The LCD on the remote unit displays the current run time acquired. The 『r 15』 on the LCD means the current run time you have gained is 15 min.

Note : The function of run time change is only accessible only when the engine is running.

6. Remote engine shutoff

(a) ‧ The engine is running by remote unit.

(b) ‧ Press and hold 【Ⅰ】; the engine shuts off with 2 siren chirps and 2 parking light flashes.

- The 『』disappears from the remote unit's screen .The car's status is displayed on the remote unit and melody is heard .

7. **Remote control temperature-controlled auto-start ON/OFF**

【 intended use in frigid countries】

(a)、 Press quickly【Ⅲ】 2 or more times to pop up the cursor and move it onto 【 】.

(b)、Then press and release 【Ⅱ】.The siren chirps 3 times with 3 parking light flashes. The engine will start automatically at pre-selected temperature and begin running and will automatically shut off when the pre-set run time expires.

(c)、"OFF" mode setting of temperature-controlled auto-start、Press and release 【Ⅱ】 to turn the temperature-controlled auto-start to "OFF" mode.

- The remote unit responses as below：

(d)、If temperature-controlled auto-start ON is activated; the remote screen shows 『』 to confirm this function is activated and the pre-set temperature icon like 『-10℃』 appear on the display. The transmitter unit sounds melody. 【When the main system sensed -10℃ temperature, the engine will get started automatically】.

(e)、If temperature-controlled auto-start OFF is activated; the icon 『』 disappears from remote's screen and the remote unit sounds melody for confirmation.

(f)、The temp-controlled auto-start repeats maximum 6 cycles daily, with 2 hours interval between cycles.

- The temperature can be selected for auto- start at -5º、-10º、-20º、-30º in accordance with your requirement.

8. **Daily auto-start time ON/OFF**

(a)、Press quickly【Ⅲ】2 or more times to pop up the cursor and then move it onto【】

(b)、 Press and release 【Ⅱ】. Parking light flashes 6 times with 6 siren chirps .The engine will get started at the selected time daily after 24 hours from the setting.

(c)、To program OFF mode of the daily auto-start time、Press and release 【Ⅱ】 to set the above setting to OFF mode.

- The remote unit displays different icons for different modes following the setting.

(d)、After the daily auto-start time is set to ON mode, the remote unit displays 『』 on its screen and sound melody.

(e)、After the daily auto-start time is set to OFF mode, the 『』 disappears from the remote unit's screen and sound melody.

9. **Remote monitor temperature/status check**

(a)、Press quickly【Ⅲ】2 or more times to pop up the cursor and then move it onto【CHECK】

(b)、Press and release 【Ⅱ】to monitor in-car temperature and the status of the car. Parking light flashes 3 times.

- The remote unit displays on its screen the in-car temperature with car's security status and will sound melody. For example, the 『23℃』on the LCD describes the interior temperature of the car is at 23 degree centigrade.
- The temperature modes on the LCD can be selected to show Celsius or Fahrenheit as needed.[option program table].

10. **Remote trunk release** (The car must have electric motor for trunk release)

(a)、Regardless of the main system in lock/arm or unlock/disarm modes, remote trunk release can be done .

(b)、Press and hold 【Ⅱ】for remote trunk release. Siren chirps 3 times with 3 parking light lashes.

- The remote unit displays 『』on its screen along with the current status and sounds melody.

Note: The remote LCD displays 『』when the main system bypasses the shock sensor at the moment the remote trunk open is operated by the remote unit.

11. **Remote audible /mute arm**

(a)、Move the cursor onto【ARM】,then press and release 【Ⅱ】to choose audible arm mode.

(b)、Move the cursor onto【ARM】,then press and release 【Ⅱ】to choose mute arm mode.

- The remote unit will response as below :

(c)、When the system enters audible arm mode , the remote unit displays 『』with melody sound.

(d)、When the system enters mute arm mode , the remote unit displays『』with melody sound.

(e)、Even the system is mute arm mode , the siren will blurt when remote panic or remote anti-carjack is activated

(f)、Programmable for choice of Siren or Horn 【option program table】

12. **Remote Active channel # 2** (for example use of headlight auto turn-on)

(a) ‧ This function can be controlled regardless of the main system in arm or disarm modes. (an additional relay is required and can be programmed for any desired remote control function). For example : to turn headlight ON for 30 sec by remote unit and automatically turns off.

(b) ‧ Press quickly 【 Ⅲ 】 2 or more times to pop up the cursor and move it on to 【CH2】

(c) ‧ Then press and release 【 Ⅱ 】. The parking light flashes 2 times and headlight turns on for 30 sec before automatic turn-off.

- The remote unit displays the 『CH2』 on its screen and sounds melody.

＊ This can be programmed in accordance with function you require.[option program table] ◦

13. **Car locator/search**

(a) ‧ Press and release both【 Ⅰ + Ⅱ 】 simultaneously; siren chirps 6 times with 6 parking light flashes.

- The remote unit displays the car's current status on its screen and sounds melody.

14. **Remote Shock sensor bypass**

(a) ‧ You can use this function to avoid false alarm especially when the car is parked in an area near a rail-line or where trucks frequently passes by.

(b) ‧ Press quickly 【 Ⅱ 】 2 or more times to pop up the cursor and move it onto 【PASS】

(c) ‧ Then press and release 【 Ⅱ 】 to have remote shock sensor bypass during which shock sensor becomes ineffective but the other security functions like door trigger are still effective.

- The remote unit displays 『』 and 『』 on its screen with one beep alert.

＊ If the shock sensor is triggered for 8 consecutive times during arm mode, the system will ignore shock sensor trigger and bypass it.

15. **Alarm mode & warn away**

(a) ‧ In arm mode; if the car detects any impact , the shock sensor's first stage alert is triggered. The siren chirps 3 times with 2 parking light flashes.

- The remote unit displays 『 』 on its screen with one long beep alert.

(b) ‧ If the heavier impact is detected by the main system, the second stage alert is triggered .The siren blurts and the parking light flashes for 15 sec duration..

- The remote displays 『 』 with beep alert for 15 sec.

(c) ‧ If the system is triggered by other means like (door-pen ‧ trunk ‧ hood-open or ignition "ON" during arm mode) , the siren blurts and the parking light flashes for 30 sec and the engine start circuit is killed.

- The remote unit displays icon showing triggered zone and keeps beeping for 30 sec.

(d) ‧ For any triggering during arm mode, press and release 【 I 】 once to disable triggering. The additional of press and release on 【 I 】 to make the main system enter unlock/disarm mode.

(e) ‧ The main system will enter security mode during or after the triggered zone is closed. In case of trigged zone still unlearned , the system will bypass it and can still protect all other zones .

15. Remote panic

(a) ‧ After the engine shuts off, press and hold both 【 I + II 】 simultaneously for remote panic . The parking light flashes 6 times with 3 siren chirps.

- The remote unit displays the car status on its screen and sounds melody.

16. Remote anti-carjack ON/OFF

(a) ‧ Press quickly 【 II 】 2 or more times to pop up the cursor and move it onto 『 』

(b) ‧ Then press and release 【 II 】 to enter anti-carjack mode. The parking light flashes for 30 sec and the system's start circuit is killed.

(c) ‧ To deactivate the anti-carjack mode, press and release 【 II 】 again.

- The remote unit displays 『 』 on its screen and sound alert.

17. Switch-controlled anti-carjack ON/OFF

(a) ‧ While the engine is running ; press the anti-carjack to activate this function. The activated anti-carjack mode undergoes 2 stages as below :

(1) In the 1st stage; the parking light flashes for 30 sec.

(2) In the 2nd stage; in the next 30 sec that follows the 1st stage , there will be another 30 sec alert period during which 【(a) the parking light keeps flashing, (b) siren continues blurting, (c) the engine start circuit is cutoff on until active anti-carjack mode is cleared】。

＊ At any of the alert stages, choose either (a) or (b) to deactivate the on-going alert.

(a) ‧ To deactivate alert by switch , press and hold for 5 sec the anti-carjack switch (or)

(b) ‧ To deactivate alert by remote unit, press 【Ⅲ】 2 or more times to pop up the cursor and move onto 『 』 on the remote unit.

18. Remote valet ON /OFF

(a) ‧ Press 【Ⅲ】 2 or more times to get the cursor and move onto 【VALET】。

(b) ‧ Then press and release 【Ⅱ】 to enter valet mode ON. The siren chirps 4 times with 4 flashes of parking light .Under the valet ON mode, all functions are inoperative except for the remote door unlock and trunk release which are still operable.

(c) ‧ Press and release 【Ⅱ】 again to get valet mode OFF .The main system then restores all functions back to normal and become operative.

- The remote LCD displays as below :

(d) ‧ While the valet mode is ON, the LCD remote displays 『ZZ』 and sounds melody.

(e) ‧ While the Valet mode is OFF, the 『ZZ』 disappears from remote's screen but the remote sounds melody.

19. **Programmable functions by over-ride switch**

The TW-1 programmable functions are 【valet, daily auto-start time ,temperature-controlled auto start 】 these all can be programmed for ON/OFF modes by means of over-ride switch in the following procedure.

(a) ﹑Turn the ignition OFF

(b) ﹑Press and release the over-ride switch for assigned number of times to acquire desired mode settings [3 times for valet change mode setting] ﹐ [4 times for daily auto-start time setting] ﹐ [5 times for temperature-controlled auto-start setting]. The number of siren's chirps follow the equal number press on the over-ride switch to confirm the current mode setting .

(c)﹑Turn the ignition ON when the desired mode setting is reached. (engine must not be running)

(d) ﹑To choose the ON and OFF in each mode, setting, press again the over-ride switch 1 or 2 times. The factory default setting is marked with shaded description like **OFF.**

Manual features program table		
No of presses on over-ride switch VS active mode setting	***Single press***	***Double presses***
3 times to enter valet mode setting	ON	OFF
4 times to enter daily auto-start time mode setting	ON{see note below }	OFF
5 times to get temp-controlled auto start time mode setting	ON	OFF
Siren and L E D indicator	***1***	***2***

Note: If the daily auto-start time ON is programmed, the engine will be running immediately when the ignition key is turned OFF .(Use the remote LCD unit to shut off the engine in this case.)

20. **Page-out call from car**

If page-out call button on vehicle-base antenna case is pressed ◦

- The remote unit displays 『(CALL)』 on the screen and sounds melody

21. **Manual Arm and Disarm** (In case the remote transmitter is lost)

Manual Arm Mode

(a) Turn the ignition key to ON position (engine must not be running)

(b) Press and release the over-ride switch 8 times

(c)Turn the ignition key to OFF position (siren chirps 1 time with 1 parking light flash).After 20 sec, the main system will enter Arm mode .

Manual Disarm Mode

(a) Turn the ignition key to ON position. (engine must not be running)

(b) Press and release the over-ride switch 4 times

(c) Turn the ignition key to OFF position {siren chirps 2 times with 2 flashes of parking light}. The system will enter Disarm mode.

Note : (a)Under manual Arm mode; if the system is triggered, the system will enter initial alert mode (siren chirps 3 times with 3 parking light flashes). 20 sec later , the system enters Alarm and Warn Away Mode. [The alert triggering at this stage can be terminated by the car owner] ◦

(b)Under manual Arm or Disarm modes, all the system's features can still be operated by the remote unit.

22. **Procedures for Code learning of remote units**

The TW-1 main system can memorize transmitter's coding (from up to 4 different remote units)

(1) Turn the ignition key to "ON" (But engine must not be running)
Press and hold the over-ride switch for 6 sec and release it after the siren chirps 4 times which confirms the system has entered active learning mode.

(2) Press and hold 【 I +Ⅱ 】 simultaneously till the siren chirps 1 time ,confirming code learning is completed.
Follow the same step (2) with other remote transmitters ,one after another, to allow the main system learn coding of each transmitter.(Maximum 4 remotes can be learned by the TW-1) .The system will automatically jump out of learning mode if no signal is received within 6 sec. from the last signal.

＊ (a)The pre-memorized coding will be erased each time the learning mode is activated. Re-do the code learning in this case.

(b) If more than one remotes are used in remote-operating the same system, the car status will be displayed on the single remote which sends the latest signal.

23. System status-indicator L E D

Fix the LED status indicator at the appropriate location inside the car to allow maximum visibility of it.

LED blinking pattern with various standby modes while ignition " OFF "	
Different standby modes	**Pattern of LED blinking**
The remote engine being started	L E D solid on
System in disarm mode	No L E D
System in arm mode	* * * * * * * * * *
Daily auto-start time ON	** ** ** ** ** ** ** **
Temp-controlled auto-start ON	*** *** *** *** *** ***
Daily auto-start time ON + Temp-auto-start ON	**** **** **** **** ****
Valet mode ON	***** ***** ***** ***** *****

24. Replacement of battery

When 『BAT』 appears on the remote LCD, its battery is about to exhaust. Replace a new battery immediately to ensure proper function .

※ Replacement guide

1. Take off old battery
2. Press and release 【 I 】 once before inserting the new battery
3. Insert the new battery 【 Alkaline battery of size AAA is recommended 】
4. Replace the battery cover and then press and release 【 I 】 to monitor the car's current status.

25. Programming of remote control unit

The TW-1's LCD remote control unit has basic features of (a) EL backlight (b) most power saving circuitry (c) audible or vibration alert mode (d) selectable time indication of【Real time, alarm clock, count-down timer 】and follow the procedure as below :

Operation of keys	Functions	Notes
Press 【Ⅲ】	Backlight ON (automatic turn-off after few sec)	
Press both【Ⅲ+Ⅰ】	Choice of audible/vibration alert mode	
Press & hold 3 sec 【Ⅲ】	Entry/exit of adjust mode by hour, confirmed by 2 beeps	**While in each time entry mode:** Press【Ⅰ】 to choose "ON" or adjustment upwards Press and hold 【Ⅱ】for quick adjustment upwards Press【Ⅰ】 to choose "OFF" or adjust downwards Press and hold 【Ⅱ】for quick adjustment downwards
Press【Ⅲ】1 time	Minute entry (adjust mode)	
Press【Ⅲ】2 times	Hour entry (to adjust Alarm clock)	
Press【Ⅲ】3 times	Min entry (to adjust Alarm clock)	
Press【Ⅲ】4 times	ON/OFF choice for alarm clock	
Press【Ⅲ】5 times	Hour entry (to adjust countdown timing	
Press【Ⅲ】6 times	Min entry (to adjust countdown timing)	
Press【Ⅲ】7 times	ON/OFF choice for countdown timing	
Press【Ⅲ】8times	ON/OFF choice for self power-saving	If the remote unit is power saving mode, its current sleeps after the system is disarmed.
【Ⅰ+Ⅲ】	Entry/exit of alarm adjust mode	
【Ⅱ+Ⅲ】 1 time	Choice of 10 min countdown mode	
【Ⅱ+Ⅲ】 2 times	Choice of 20 min countdown mode	
【Ⅱ+Ⅲ】 3 times	Choice of 30 min countdown mode	
【Ⅱ+Ⅲ】 4 times	Choice of 60 min countdown mode	
【Ⅱ+Ⅲ】 5 times	Choice of 90 min countdown mode	
【Ⅱ+Ⅲ】 6 times	Choice of 120 min countdown mode	